

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Hilmar GUGEL

Title: LIGHT SOURCE COMPRISING A PLURALITY OF  
MICROSTRUCTURED OPTICAL ELEMENTS

Appl. No.: Unassigned

Filing Date: 3/3/2006

Examiner: Unassigned

Art Unit: Unassigned

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 CFR §1.56**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Submitted herewith on Form PTO/SB/08 is a listing of documents known to Applicant in order to comply with Applicant's duty of disclosure pursuant to 37 CFR §1.56.

A copy of each non-U.S. patent document and each non-patent document is being submitted to comply with the provisions of 37 CFR §1.97 and §1.98.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicant does not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

**TIMING OF THE DISCLOSURE**

The listed documents are being submitted in compliance with 37 CFR §1.97(b), within three (3) months of the date of entry of the national stage as set forth in 37 CFR §1.491.

**RELEVANCE OF EACH DOCUMENT**

Documents A1, A3, A10, A12-A14, A16-A17 and A19-A20 listed on the attached PTO/SB/08 were cited as being relevant during a search of the corresponding International application. A copy of the International Search Report setting forth the portion of each reference considered relevant by the examiner is attached.

The relevance of non-English language documents A9, A11, A15 and A18 is described in the present specification.

Documents A2 and A14 belong to the same "patent family," whereby the English language document may assist the PTO in understanding the content of the non-English language document.

Documents A5 and A12 belong to the same "patent family," whereby the English language document may assist the PTO in understanding the content of the non-English language document.

Documents A6 and A10 belong to the same "patent family," whereby the English language document may assist the PTO in understanding the content of the non-English language document.

Documents A7 and A9 belong to the same "patent family," whereby the English language document may assist the PTO in understanding the content of the non-English language document.

Documents A8 and A11 belong to the same "patent family," whereby the English language document may assist the PTO in understanding the content of the non-English language document.

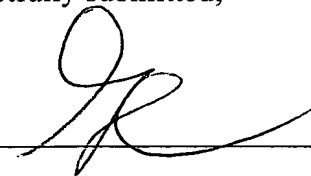
Unless otherwise indicated, no English translation is readily available (not considering machine-generated translations that may be freely available online, to both the Applicant and the PTO) for each of the non-English language documents. However, a commercially available English language abstract is provided herewith, where indicated on the attached Form PTO/SB/08. Inasmuch as Applicants have endeavored to provide at least one item that complies with the requirement for a "concise explanation of relevance" for each of the non-English language documents, each of these documents has been submitted in compliance with the PTO requirements and should be considered by the Examiner (37 CFR §1.97, §1.98 and MPEP §609).

Applicant respectfully requests that each listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08 be returned in accordance with MPEP §609.

Although Applicant believes that no fee is required for this Request, the Commissioner is hereby authorized to charge any additional fees which may be required for this Request to Deposit Account No. 19-0741.

Respectfully submitted,

By



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Substitute for form 1449B/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  Date Submitted: March 3, 2006  <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b>	
Application Number		Unassigned			
Filing Date		3/3/2006 <b>10/570486</b>			
First Named Inventor		Hilmar GUGEL			
Group Art Unit		Unassigned			
Examiner Name		Unassigned			
Attorney Docket Number		016790-0507			

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
	A1	2003/0081915		FAJARDO ET AL.	05-01-2003	
	A2	5,731,588		HELL ET AL.	03-24-1998	
	A3	5,960,146		OKUNO ET AL.	09-28-1999	
	A4	6,097,870		RANKA ET AL.	08-01-2000	
	A5	6,611,643		BIRK ET AL.	08-26-2003	
	A6	6,796,699		BIRK ET AL.	09-28-2004	
	A7	6,813,073		ENGELHARDT ET AL.	11-02-2004	
	A8	6,888,674		BIRK ET AL.	05-03-2005	

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)			
	A9	DE	100 56 382	A1	LEICA MICROSYSTEMS	05-23-2002	Abstr.
	A10	DE	101 15 488	A1	LEICA MICROSYSTEMS	12-20-2001	Abstr.
	A11	DE	101 15 509	A1	LEICA MICROSYSTEMS	12-20-2001	Abstr.
	A12	EP	1 184 701	A1	LEICA MICROSYSTEMS	03-06-2002	Abstr.
	A13	JP	2002-148468	A	NIPPON TELEGRAPH & TELEPHONE CORP.	05-22-2002	Abstr.
	A14	DE	44 16 558	A1	HELL STEFAN	08-03-1995	Abstr.
	A15	EP	0 491 289	B1	HELL STEFAN	04-03-1996	Abstr.
	A16	EP	0 886 174	A2	NIPPON TELEGRAPH & TELEPHONE CORP.	12-23-1998	
	A17	EP	0 922 992	A2	LUCENT TECHNOLOGIES INC.	06-16-1999	
	A18	EP	0 495 930	B1	REGENTS OF THE UNIV. OF MINNESOTA	04-28-1999	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>6</sup>
	A19	BIRKS, T.A. et al., "Supercontinuum Generation in Tapered Fibers," Optics Letters, Optical Society of America, Voll. 25, No. 19, October 1, 2000, pp. 1415-1417.	
	A20	RANKA, J.K. et al., "Visible Continuum Generation in Air-Silica Microstructure Optical Fibers with Anomalous Dispersion at 800 nm," Optics Letters, Optical Society of America, Vol. 25, No. 1, January 1, 2000, pp. 25-27.	

Examiner Signature	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

<sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.